

	<u>Percent</u>	
Chromium	<u>>15 to <30</u>	[15 - 30.0]
Molybdenum	<u>>2.0 to <8.0</u>	[2.0 - 8.0]
Iron		>10 to <50.0
Boron	<u>≥0 to <5.0</u>	[>0 to <50]
Cobalt		>0 to <20
Nickel		>0 to <30
Vanadium		>0 to <6
Niobium		>0 to <6
Carbon	<u>>1.6 to <2.6</u>	
Tungsten	<u>>10.0 to <30.0</u>	

and including at least about 12% by weight of the combination of vanadium, tungsten and molybdenum; including carbon; being substantially free of silicon; including greater than 8% by weight of the combined elements vanadium, molybdenum and niobium; including less than 32% by weight of the combined elements nickel and cobalt; and including greater than 27% by weight and less than 65% by weight of the combined elements chromium, tungsten, molybdenum, vanadium, and niobium.

Please add new claim 51.

51. An article of equipment intended to be submerged in molten zinc, molten aluminum and mixtures thereof, said article containing an alloy material comprised of:

	<u>Percent</u>
1.6	<Carbon<2.6
15.0	<Chromium<30.0
10.0	<Tungsten<30.0
2.0	<Molybdenum<8.0
10.0	<Iron<50.0
0.0	≤ Vanadium<6.0
0.0	≤ Niobium<6.0
0.0	≤ Cobalt<20.0
0.0	≤ Boron<5.0

wherein vanadium, niobium, cobalt, boron, and manganese are included and said alloy is substantially free of silicon.

Remarks

Reconsideration of the above-identified application is respectfully requested. Claim 51 has been added to replace claim 49, wherein traditional bracketed/underlined amendments could not be clearly presented.

Claims 2-12, 34-38, 42-45 and 47-50 are rejected under 35 U.S.C. §112, first paragraph, as containing subject matter which was not described in the Specification in such a way as to reasonably convey to one skilled in the art that the inventor at the time the application was filed, had possession of the claimed invention. The Examiner notes a number of informalities with respect to compositional quantities between the claims and pages 23 and 24 of the Specification. Applicant has amended the claims, bringing them into conformity with the Specification, and the Examiner's observations, and therefore, withdrawal of the rejection is respectfully requested.

Claims 3-12, 34 to 38, 42-45 and 47-50 are rejected under 35 U.S.C. §112, first paragraph, as the Examiner contends that the Specification, while enabling for an article of equipment comprising an alloy as evident by pages 23 and 25 of the Specification, does not reasonably provide enablement for an alloy comprising constituents with no specified amount. Applicant has generally amended each of independent claims 49 and 50 to include specific ranges for each of the alloy constituents. Moreover, with the exception of manganese in Claim 51, specific ranges are provided for the constituents. However, Applicant submits that the specific ranges for the remaining constituents provide enablement. Particularly, since manganese is not provided on pages 23-24 of the Specification but is fully discussed on pages 14-15 and in the examples of page 30. Moreover, the claims are enabled when directed to the composition of pages 23-24 and including manganese. Accordingly, withdrawal of the rejection is respectfully requested.

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